ISO/IEC JTC 1

Study Group on Big Data (SGBD)

Document Type: **National Body Contribution**

Document Title: **KNB Proposal on NWIP on Big Data Definition and Vocabulary**

source: **Korean National Body (KATS)**

Document Status:

Action ID: **ACT**

No. of Pages: **4**

Author(s) or Contact(s):   Suwook Ha, Kangchan Lee, ETRI
sw.ha@etri.re.kr, chan@etri.re.kr
Source: Korean National Body (KATS)

NEW WORK ITEM PROPOSAL		
Closing date for voting	Reference number (to be given by the Secretariat)	
Date of circulation	**ISO/TC / SC N**	
Secretariat	☐ **Proposal for new PC**	

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, or organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to originator.
Guidelines for proposing and justifying a new work item are contained **in Annex C of the ISO/IEC Directives, Part 1.**

☒ The proposer has considered the guidance given in the Annex C during the preparation of the NWIP.

Proposal (to be completed by the proposer)

Title of the proposed deliverable. *(in the case of an amendment, revision or a new part of an existing document, show the reference number and current title)* English title INFORMATION TECHNOLOGY – BIG DATA - Definition and Vocabulary French title (if available)
Scope of the proposed deliverable. The proposed Internal Standard will provide a definition of Big Data along with a set of terms in fields of Big Data. It is a terminology foundation for Big Data standardization works. Its scope will include: 1) Big Data Definition and Taxonomies, 2) Big Data Elements, 3) Big Data Patterns. This project will not be addressing legal, regulatory, and cross-border trade discussions, but will help with, and provide a framework for, and deeper and better understanding of, issues involving such topics so that others in the international community can address them.

Purpose and justification of the proposal*

The purpose of this publication is to create a standard which provides common terms and definitions for the field of Big Data.

Justification:

"Big data" is being defined and classified with different ways by industry, academia, and research institutes. This is a field in flux, and different people may have different conceptions of what terms mean. This impedes efforts to standardize Big Data because each specification provides its own definitions, often obscuring the terminology similarities and differences across specifications. This Internal Standard will clarify the underlying concepts of Big Data and Data Science to enhance communication among producers and consumers of these new technologies by helping us use the same term for the same concept.

*The reason for requiring justification statements with approval or disapproval votes is primarily to collect input on market or stakeholder needs, and on market relevance of the proposal, to benefit the development of the proposed ISO standard(s). Any NSB vote in relation to a proposal for new work may result in significant commitments of resources by all parties (NSBs, committee leaders and delegates/experts) or may have significant implications for ISO's relevance in the global community. It is especially important that NSBs consider and express why they vote the way they do. In addition, it is felt that it would be useful for ISO and its committees to have documentation as to why the NSBs feel a proposal has market need and market relevance. Therefore, please ensure that your justifying statements with your approval or disapproval vote convey the reason(s) why your national consensus does or does not support the market need and/or global relevance of the proposal.

If a draft is attached to this proposal,:

Please select from one of the following options (note that if no option is selected, the default will be the first option):

- ☐ Draft document will be registered as new project in the committee's work programme (stage 20.00)
- ☐ Draft document can be registered as a Working Draft (WD – stage 20.20)
- ☐ Draft document can be registered as a Committee Draft (CD – stage 30.00)
- ☐ Draft document can be registered as a Draft International Standard (DIS – stage 40.00)

Is this a Management Systems Standard (MSS)?

☐ Yes ☒ No

NOTE: if Yes, the NWIP along with the Justification study (see Annex SL of the Consolidated ISO Supplement) must be sent to the MSS Task Force secretariat (tmb@iso.org) for approval before the NWIP ballot can be launched.

Indication(s) of the preferred type or types of deliverable(s) to be produced under the proposal.

☒ International Standard ☐ Technical Specification   ☐ Publicly Available Specification   ☐ Technical Report

Proposed development track ☐   1 (24 months)   ☒ 2 (36 months - default) ☐   3 (48 months)

Known patented items (see ISO/IEC Directives, Part 1 for important guidance)

☐ **Yes**   ☒ **No**   **If "Yes", provide full information as annex**

A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing ISO and IEC deliverables. The proposer should explain how the work differs from apparently similar work, or explain how duplication and conflict will be minimized.

The proposed work will complement existing work in the area of terminology. It will build on content from serieral ISO standard and produce a profile that is aligned with Big Data requirements. The work will also consider related projects such as ISO/IEC 17788 - Information Technology - Cloud Computing - Overview and Vocabulary.

A listing of relevant existing documents at the international, regional and national levels.

ISO 704:2009, Terminology work — Principles and methods
ISO 860:2007 Terminology work — Harmonisation of concepts and terms
ISO 10241-1:2011, Terminology entries in standards — Part 1: General requirements and examples of presentation
ISO 10241-2:2011, Terminology entries in standards — Part 2: Adoption of standardised terminological entries
ISO/IEC 17788 - Information Technology - Cloud Computing - Overview and Vocabulary

A simple and concise statement identifying and describing relevant affected stakeholder categories (including small and medium sized enterprises) and how they will each benefit from or be impacted by the proposed deliverable(s)
The proposed deliverables will benefit the international Big Data community and vendor by facilitating the consistent development and providing common terms & definitions for the field of Big Data.

Liaisons:	Joint/parallel work:
A listing of relevant external international organizations or internal parties (other ISO and/or IEC committees) to be engaged as liaisons in the development of the deliverable(s). TeleMangement Forum ITU-T SG13 …	**Possible joint/parallel work with:** ☐ IEC (please specify committee ID) ☐ CEN (please specify committee ID) ☐ Other (please specify)

A listing of relevant countries which are not already P-members of the committee.

Preparatory work (at a minimum an outline should be included with the proposal)
☐ A draft is attached   ☐ An outline is attached   ☒ An existing document to serve as initial basis
The proposer or the proposer's organization is prepared to undertake the preparatory work required   ☒ Yes   ☐ No

Proposed Project Leader (name and e-mail address)	**Name of the Proposer** (include contact information)

Supplementary information relating to the proposal
☒   This proposal relates to a new ISO document;
☐   This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item;
☐   This proposal relates to the re-establishment of a cancelled project as an active project.
Other:

Annex(es) are included with this proposal (give details)

☐